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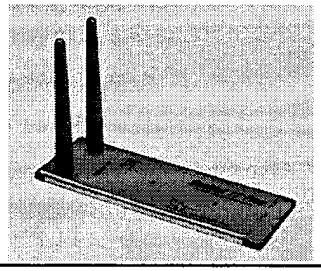
Networks should be as mobile as you are.



SecNet 11®
Secure Wireless Local Area Network

www.secnet11.harris.com

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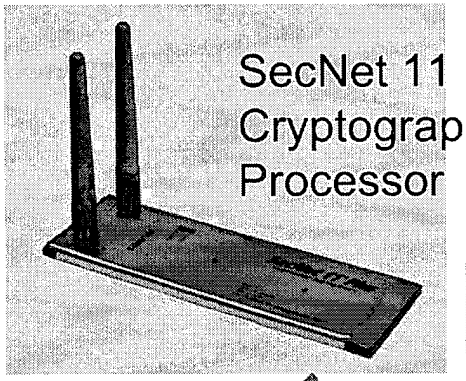
SecNet 11 Product Family

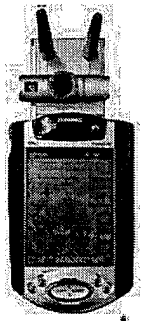


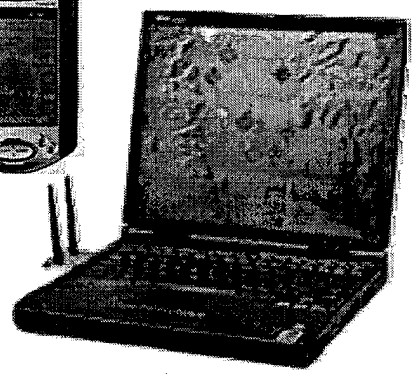
SecNet 11 Plus Cryptographic Processor

Key Fill Cable

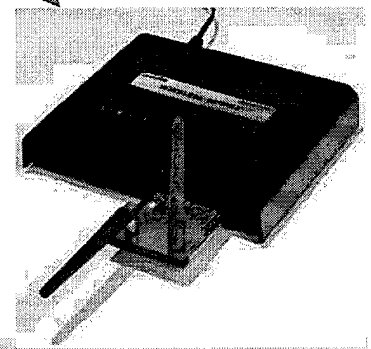
Used In

Used In





Client Computer Platforms



Wireless Bridges
(can also function as an Access Point)

- **Ideal for Applications & Missions Requiring:**
  - Secret Level Data (COMSEC)
  - Encryption of Ethernet/IP Addresses
  - Low Cost
  - Low Power Usage
  - Small size
  - Ultra Lightweight
  - PCMCIA Form Factor
  - Crypto Embedment
  - Simple Key Management
- **Features**
  - IEEE 802.11b Based Protocol
  - 11 Mbps Data Rate
  - 2.4 GHz, ISM band
  - Ad-Hoc & Infrastructure Modes
  - Type 1 Encryption (BATON)
  - Based on Sierra I
  - TCP/IP Network Protocol Compatible
  - OS Platform Support
  - Windows '98,'00, NT, ME, XP, Pocket PC, Linux

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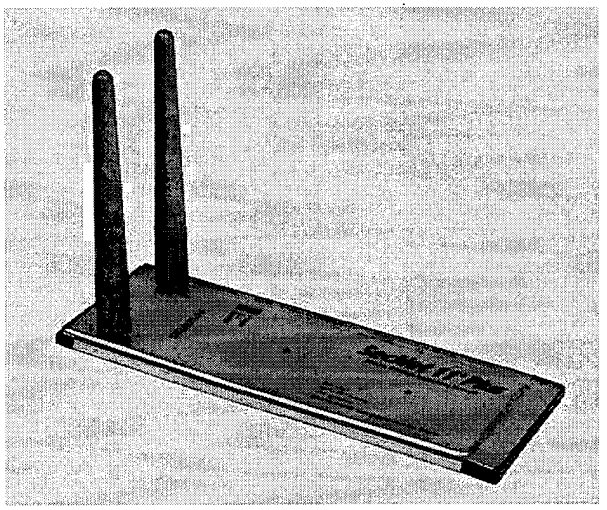
SecNet 11 Plus

HARRIS

- SecNet 11 Plus is the newest version of the original SecNet 11, and it is the smallest, NSA approved, Type 1 wireless cryptographic processor available today

- SecNet 11 Plus enhancements include:
  - Improved RF performance
  - Upgraded structural integrity
  - Additional operating system drivers (Windows XP, Pocket PC, Linux)
  - Improved large file transfer capabilities
  - New Quick Reference Guide
  - Expanded service and support options
  - Accessory options available



SecNet 11® Plus

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SecNet 11® Plus Features

Networks should not be difficult to maintain.

- **IEEE 802.11b Based Protocol**
  - 11 Mbps Data Rate,
  - 2.4 GHz, ISM band
- **Type 1 Encryption**
- **TCP/IP Network Protocol Compatible**
- **Operating System Platform Support**
  - **Windows '98,'00, NT, ME, XP, CE**
  - **Linux**

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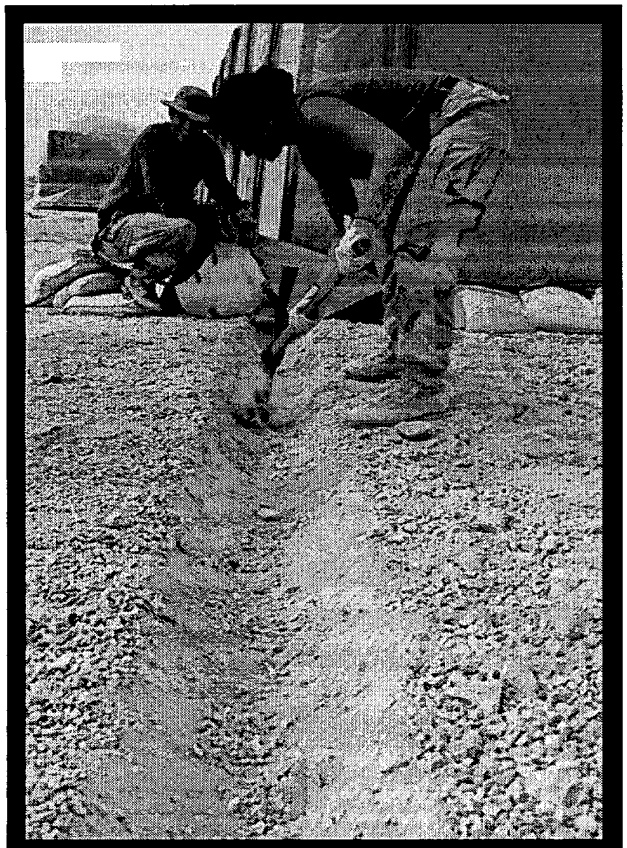
SecNet 11® Plus Features



Networks should not require a shovel.

- **PCMCIA Card Package**
- **Dual Antennas for Spatial Diversity**
- **SMA Connectors**
  - Allow for Easy Configuration
  - Antennas
  - Amplifiers
  - Frequency Converters
- **Transmit Power 50 mW (EIRP)**
  - High Setting: 16 dBm
  - Low Setting: 11 dBm

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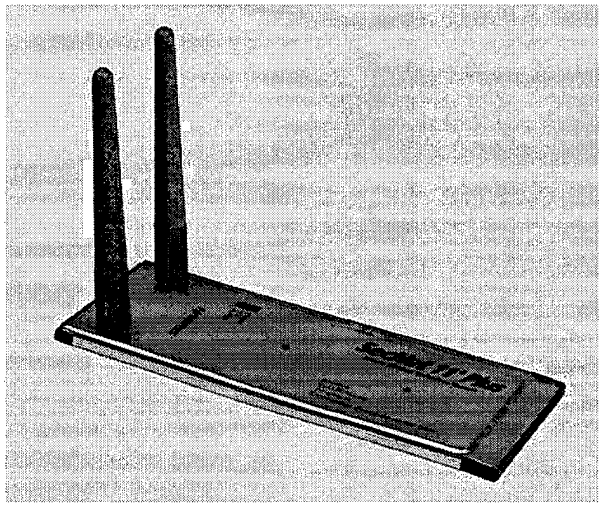
Security Features

HARRIS

- **NSA Certified Type 1 Encryption**
  - Certified for Secret
  - CCI device
- **Keys provided by NSA**
  - Symmetrical, single key
  - Unclassified, Confidential or Secret
- **Zeroize – physical and software based**
- **Provides secure communications of data (COMSEC) and secure source/destination addresses (NETSEC/IPSEC)**
- **Tamper detection – physical and other means**



SecNet 11® Plus

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SecNet 11 Services & Accessories

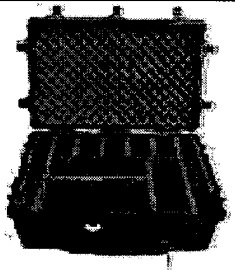
Services Suite

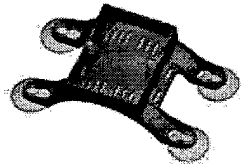
Turnkey Solutions
- Site Surveys
- Installation Services

Training
- In-house
- On-site

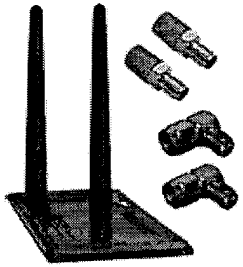
Accessories

Carrying / Transit Cases

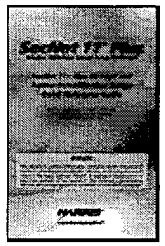




WB/AP Mounting Brackets



Spares Kit



Quick Reference Guide

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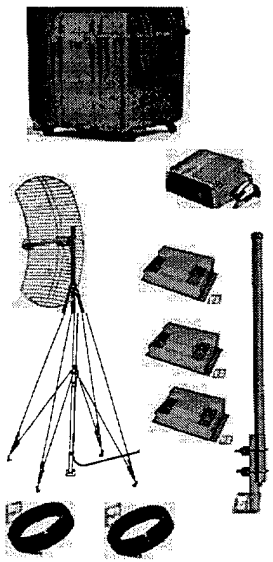
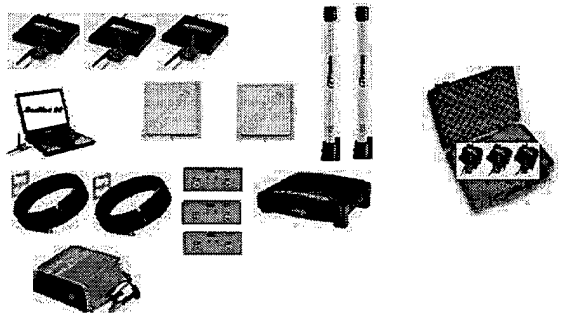
SecNet Accessories

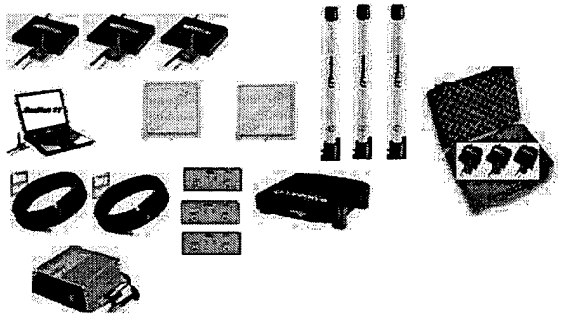
SWLAN Solution Kits



Long Range Kit



Repeater Kit



Co-Located Users Kit

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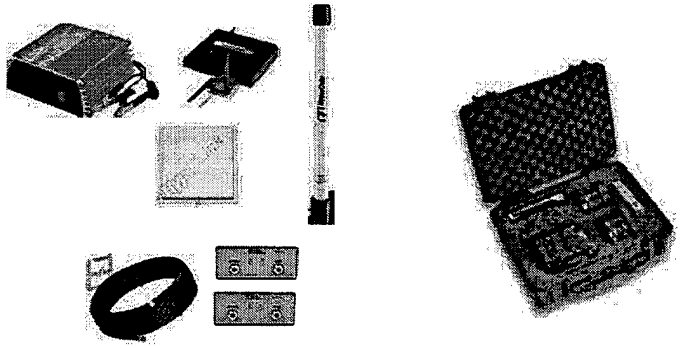
SecNet 11 Accessories

SWLAN Solution Kits

*Standard Solutions Kit**



Camera Kit

***Custom Kits Also Available**

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Certifications

- SIPRNET Connectivity now approved for SecNet 11 by DISA/DSAWG. For more information: *(https://powhatan.iiie.disa.mil/wireless-index.html)*.
  - IATO approval for USJFCOM
  - IATO approval for NGA in Iraq
  - IATO approval for Coronado tests
- U.S. Navy certified SecNet 11 for use onboard subs (HERO, HERP, HERF), June 2003
- NATO SECAN certified SecNet 11 to protect NATO SECRET (NS) data and below, April 2003
- NSA officially certified PC Card, October 28th, 2002
- NSA certified Sierra I Cryptographic processor for secret data and below, June 2002

National Security Agency

INFORMATION ASSURANCE DIRECTORATE

Information Assurance Directorate Certificate

This certificate validates that the SecNet-11™ Secure Wireless Local Area Network Personal Communications Memory Card International Association (PCMCIA) card meets specified security functional and assurance requirements for message confidentiality, data integrity, and network authentication protection for the wireless path up to and including SECRET, when operated in accordance with the security doctrine entitled, "Interim Operational Doctrine for the SecNet-11™." The SecNet-11™ provides wireless connectivity between a terminal and an access point, or a peer terminal.

NSA does not make, by virtue of this validation, any statement or other representation regarding the applicability or effectiveness of the SecNet-11™ within a total information system context. The SecNet-11™ may be but one of the necessary, complementary security components needed in a security suite to provide adequate protection to an information system. SECRET certification of the SecNet-11™ card is a critical input to system certification, but not a substitute for final system certification and accreditation by the Local Designated Approving Authority (DAA). Security component selection needs to be done in a total system context employing an Information Systems Security Engineering process. The software contained on the compact disk shipped with the SecNet-11™ is to be considered, along with any other system hardware/software, as part of the system that incorporates the SecNet-11™.

/s/ (signature on file)

RICHARD C. SCHAEFFER, JR.
Information Assurance
Deputy Director

28 Oct 02
Date

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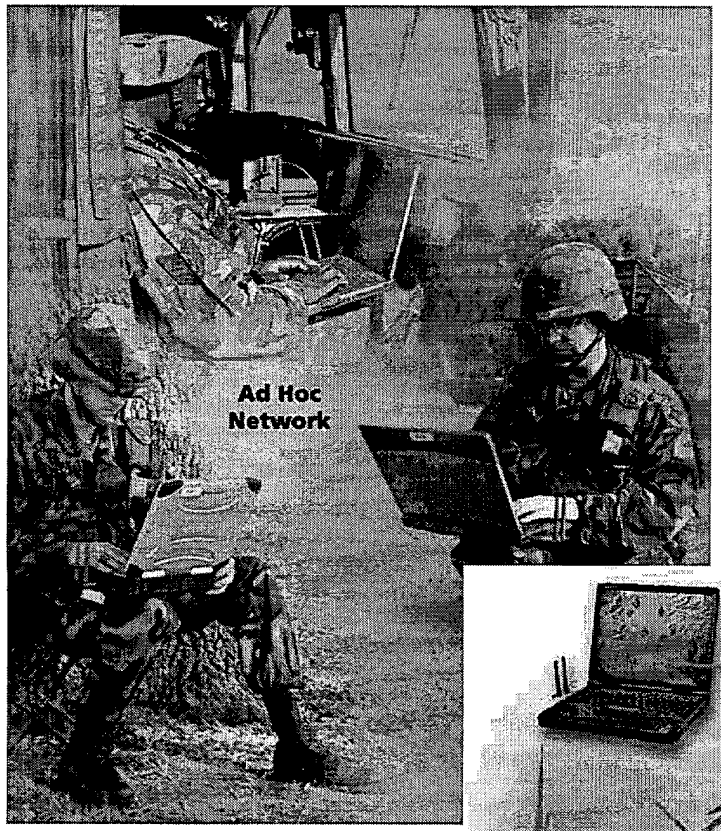
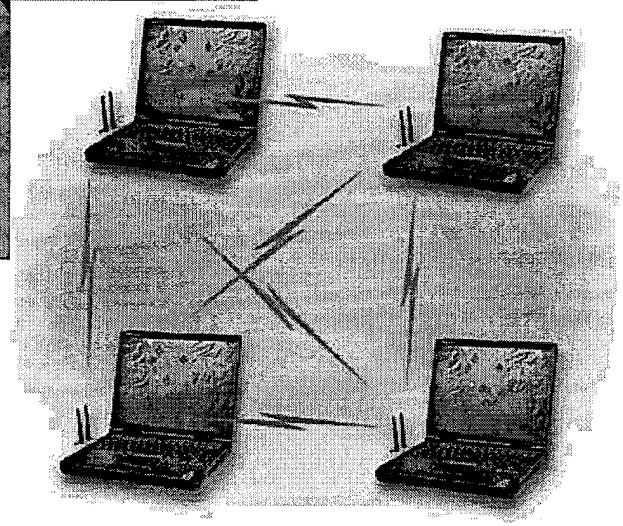
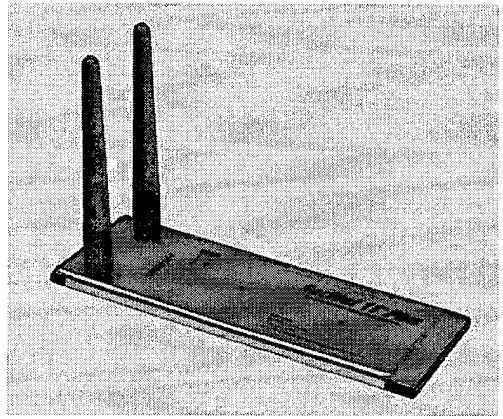
Approved For Ad Hoc Networks



SecNet 11 supports an Ad Hoc wireless network, the simplest of wireless network configurations, where all equipped devices can be linked together and communicate directly with each other.





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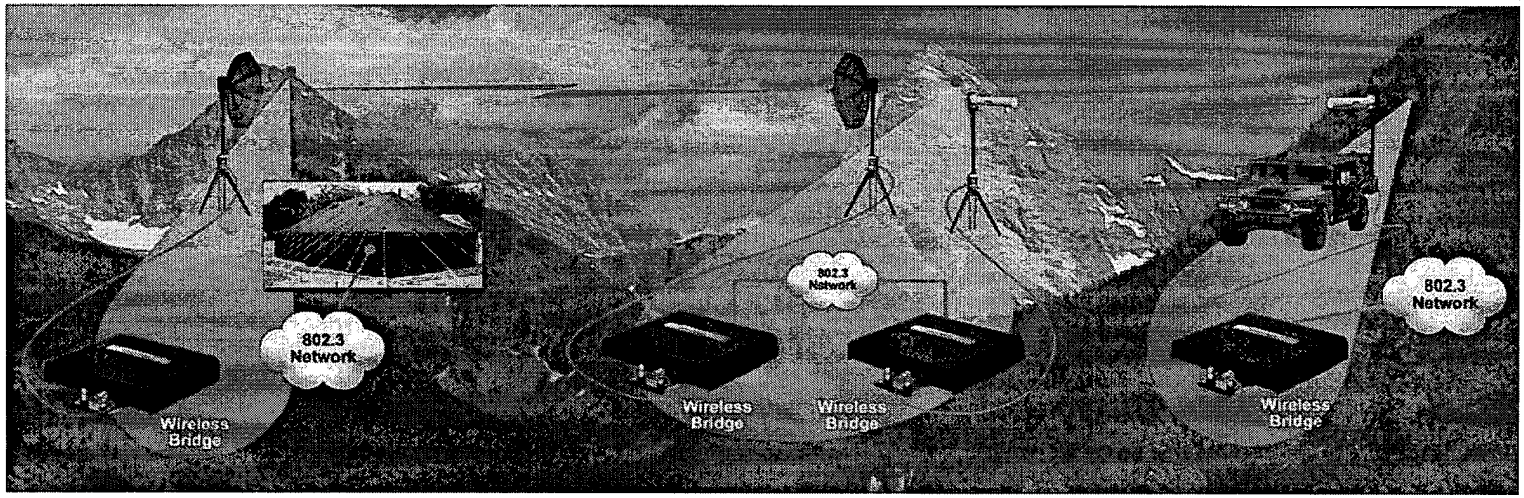
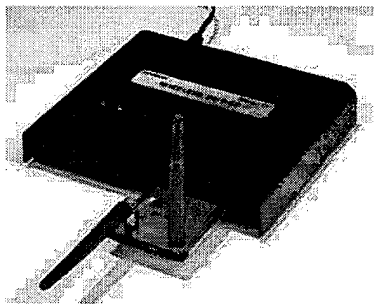
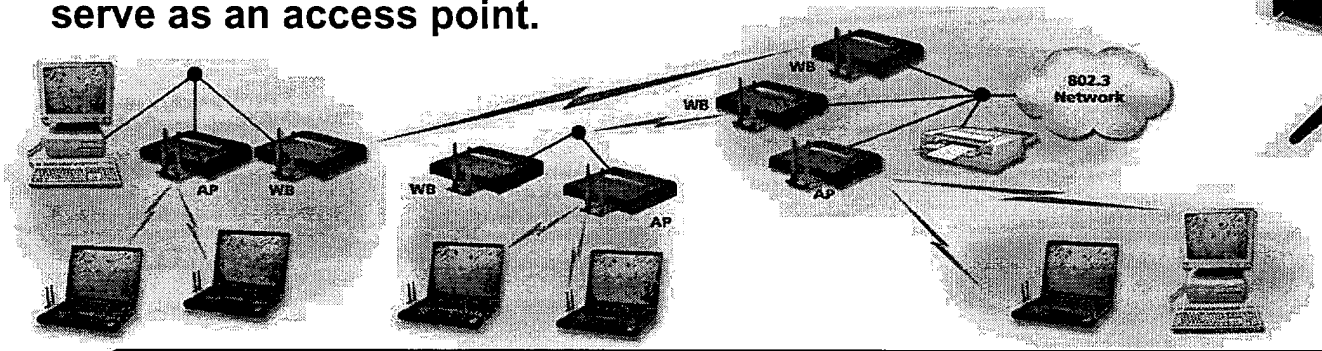
Bridging Wireless Networks



The SecNet 11 Wireless Bridge (WB) connects remote wireless or wired networks, supporting point-to-point communications over an extended range. The WB can also serve as an access point.





Speed, Agility, & Flexibility...Both At-The-Halt & On-The-Move

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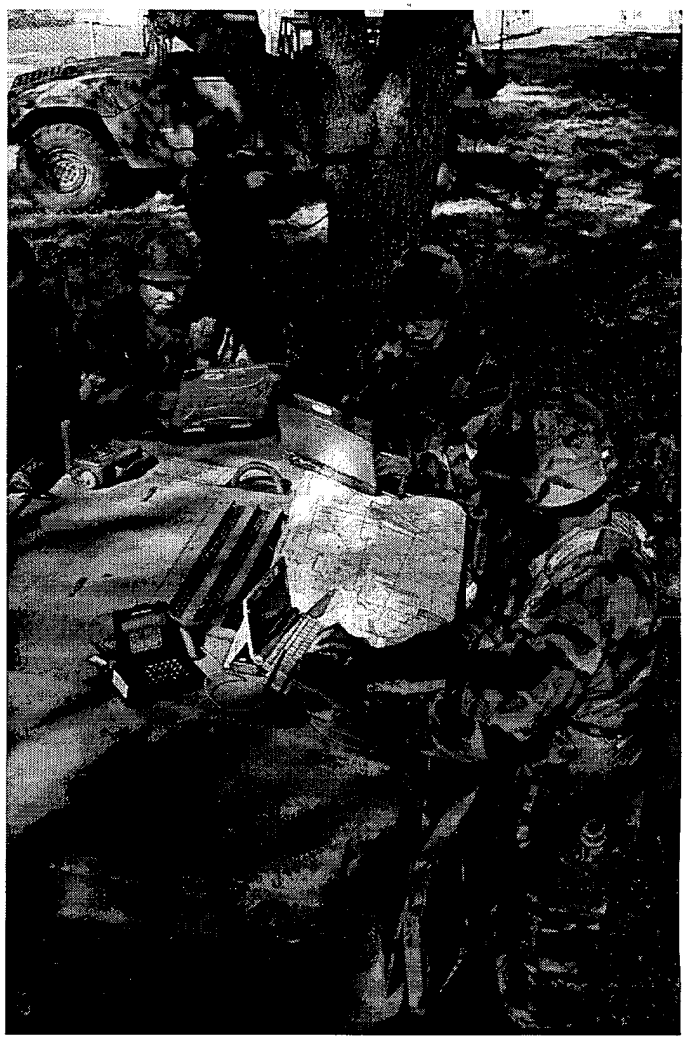
Operational Scenarios

- Dispersed wireless TOCs, wireless command posts
- Enroute mission planning and rehearsal
- Dismounted soldier, video teleconferencing
- Multimedia intelligence distribution and sharing/collaborating
- UAV extended range battlefield distribution
- Infrastructure access, logistics simplification
- Multi-channel, Multi-network, classified and unclassified co-located networks
- Single network voice and data distribution



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Data Transfer Device

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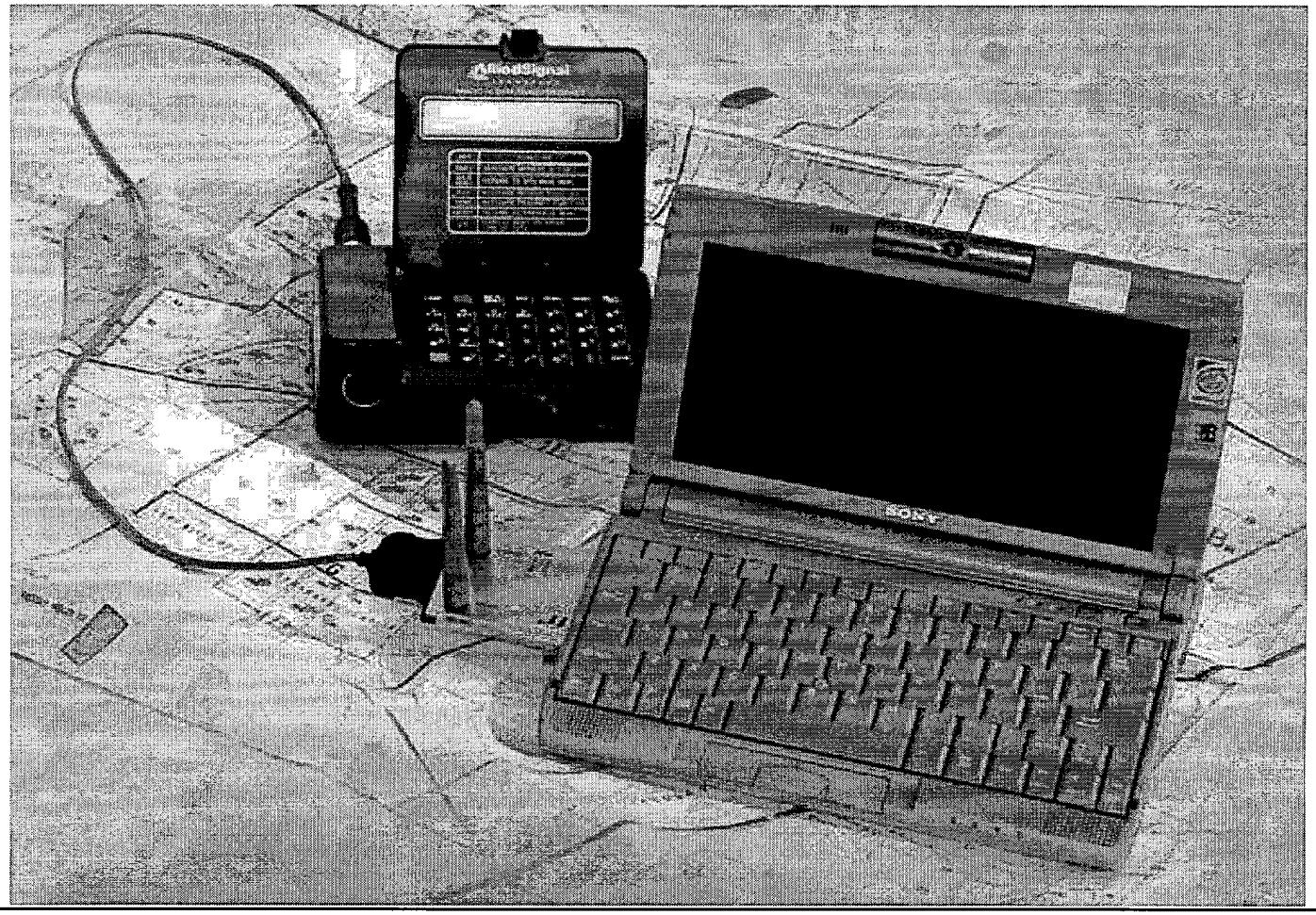
- Electronic key load from DTD



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Current Customers

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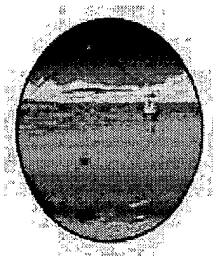
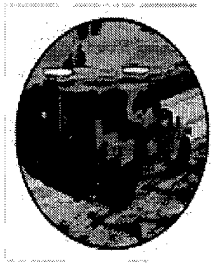
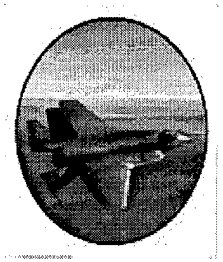
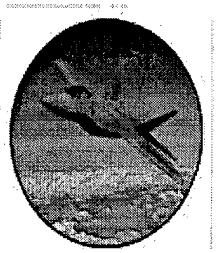
Government and Civil Agencies Sanctioned to Use Type 1 Encryption:

- Army, Navy, Air Force, Marines, Coast Guard
- Army National Guard, Air National Guard
- CIA, FBI, DEA
- Homeland Security Applications
- Pentagon Reconstruction
- NATO

Successful Market Penetration in COMSEC Community

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Applicable DoD Policy & Directives

HARRIS

- Numerous policy, guidance and directives with respect to Information Assurance:
  - DoDD 5200.28, *Security Requirements for Automated Information Systems, March 21, 1989* (to be updated under DOD 8500 series)
  - DoD CIO Policy 10-8460, *Global Information Grid – Network Operations, Aug 24, 2000*
  - DoD 5000.2-R, *Mandatory Procedures for Major Defense Acquisition Programs (MDAPS) & Major Automated Information System (MAIS) Acquisition Programs, Jan 4 2001*
  - DoD Instruction 5200.40, *DoD Information Technology Security C&A Process (DITSCAP), Dec 30, 1997* (supplemented by DOD 8510.01-M, *Applications Manual, Jul 2000*)
- Relatively Recent policy, guidance and directives generated to address and deal with wireless technologies
  - DoD Directive 8100.2, *Use of Commercial Wireless Devices, Services and Technologies in the DoD Global Information Grid (GIG)*
  - DISA, *Wireless Security Technical Implementation Guide (STIG)*
  - NSA, *Secure Wireless LAN CONOPS (SecNet 11)*
  - DoDD 85XX.aa, *Draft Overarching Wireless Policy*

Harris is committed to the Secure Communications marketplace and is helping define and implement compliant wireless and network architectures

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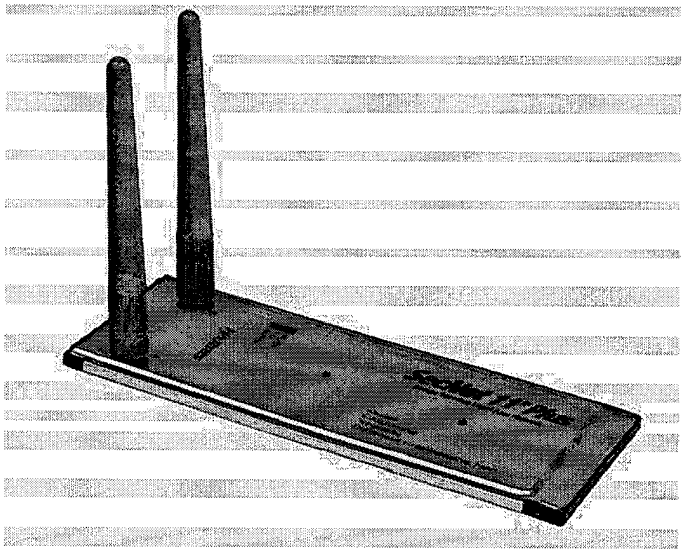
SecNet 11 Plus Summary

HARRIS

- **SecNet 11** is optimal for applications requiring:
  - Secret and below communications
  - Encryption of IP, Ethernet and 802.11 MAC functions
  - PCMCIA form factor
  - Low cost, size, power, weight, embedments, etc.
  - 11 Mbps throughput
  - Available NOW



As an industry leader, Harris provides innovative solutions for the Secure Communications marketplace

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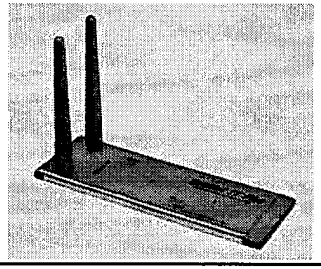
HARRIS

Networks should be as mobile as you are.



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Secure Wireless Local Area Network

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